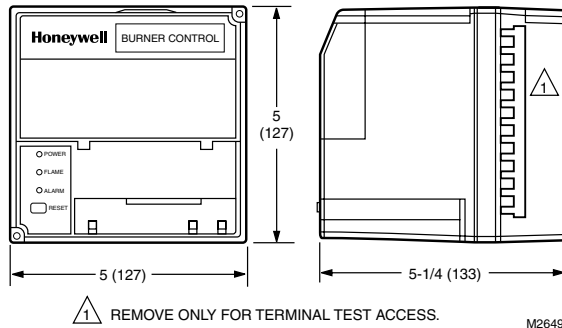


Microprocessor Burner Controls

RM7823; EC7823 Flame Switch



Dimensions in inches (millimeters)



⚠ REMOVE ONLY FOR TERMINAL TEST ACCESS.

M2649

Microprocessor-based integrated flame switch for detecting a flame using rectification, ultraviolet (UV) or infrared (IR) source. Provides level of safety, functional capability and features beyond conventional controls.

- Can be fitted with any 7800 Series Amplifier to provide relay action from two single pole, double throw (SPDT) relays when flame is present or not present. RM7823A and EC7823 are a flame detector relays only.
- Suitable primary control must be used to provide safe-start check, safety lockout, load switching and other functions required in flame safeguard systems.
- Three LEDs to indicate power, flame and alarm.
- Access for external electrical voltage checks.
- Nonvolatile memory.
- Shutter drive output.
- Compatible with existing Honeywell flame detectors.

Application: Flame Switch

Required Components: Q7800A, B Universal Wiring Subbases. R7847, R7848, R7849, R7851, R7852, R7861, or R7886 Flame Signal Amplifier.

Vibration: 0.5 G environment

Shipping and Storage Temperature Range: -40°F to +140°F (-40°C to +60°C)

Approximate, Dimensions: 5 in. wide x 5 in. high x 5 1/4 in. deep with Q7800A Subbase x 6 3/32 in. deep with Q7800B Subbase (127 mm wide x 127 mm high x 133 mm deep with Q7800A Subbase x 155 mm deep with Q7800B Subbase)

Weight lb. (kg): 1 lb 13 oz (0.8 kg)

Approvals, Swiss RE: Acceptable

Comments: two SPDT outputs

Material Number	Voltage	Frequency	Approvals, Underwriters Laboratories Inc.	Approvals, CSA	Approvals, FCC	Approvals, Factory Mutual
EC7823A1004/U	220 to 240 Vac (+10, -15%)	60 Hz (±10%), 50 Hz				Report No. OY0A9.AF.
RM7823A1016/U	120 Vac (+10, -15%)	50 Hz; 60 Hz (±10%)	Component Recognized, File No. MP268; Guide No. MCCZ.	Certified, File No. LR95329-3.	FCC Part 15, Class B, Emissions.	Report No. OX4A5.AF.